

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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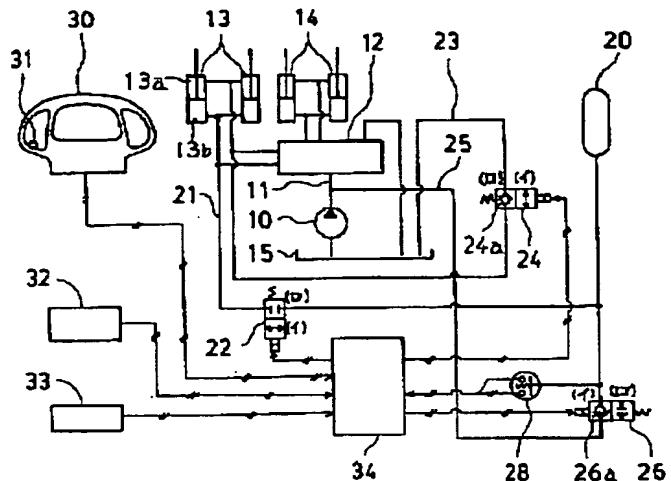
APPLICATION DATE : 13-09-95  
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INVENTOR : NOZAWA YASUHIKO;

INT.CL. : E02F 9/22 // B66F 9/22

TITLE : RUNNING VIBRATION LIMITING  
 HYDRAULIC CIRCUIT FOR WHEEL  
 TYPE CONSTRUCTION MACHINE



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent a boom from falling down when the action of a running damper of a wheel type work machine is changed over.

**SOLUTION:** A first on/off valve 22 is provided in a connection circuit 21 between the bottom side of a boom cylinder 13 and an accumulator 20, and a second on/off valve 26 and a pressure switch 28 are provided in a connection circuit 25 between a hydraulic pump 10 and the accumulator 20. During an excavation work, the first on/off valve 22 is closed and the second on/off valve 26 is opened. Oil of high pressure delivered from the hydraulic pump flows into the accumulator 20 and the pressure of the oil rises to a pressure determined by the pressure switch 28. During running, the valve 22 is opened and the valve 26 is closed so that the bottom side of the cylinder 13 is brought into communication with the accumulator 20 to prevent a boom from falling down.

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